



# Technical Data

## HBE Paints

### DESCRIPTION

High Build Epoxy (HBE) Paints are two-component, two-coat wet paint systems that form hard and tough coatings with excellent abrasion and impact resistance and good adhesion properties. These coatings are resistant to sea water, diesel oil, splashes from petrol, jet fuel, lubricating oil, and related products. Have limited resistance to vegetable oils and strong solvents such as ketones and esters. Not recommended for acids, alkalies, or strong oxidizing solutions.

### APPLICATIONS

HBE is particularly suited in mild to severe corrosive environments. This system requires one-coat of high build epoxy primer and one-coat of high build epoxy topcoat to meet required performance. Proper drying should be observed between coats and allow seven days for the coating to fully cure. Like any epoxy coatings, this system is not recommended for outdoor use when colour and gloss durability are required.

In order to ensure good adhesion, it is crucial that HBE be applied only over properly prepared substrates. S3C can advise the best form of surface preparation for your particular application. HBE can be applied to aluminium, steel and galvanised substrates.

### PRODUCT SPECIFICATIONS

<b>Generic Type</b>	<b><i>Polyamide-cured Epoxy</i></b>
<b>Finish</b>	<b><i>Semi-Flat to Semi-Gloss</i></b>
<b>Dry Film Thickness</b>	<b><i>minimum 80 microns</i></b>
<b>Pencil Hardness</b>	<b><i>HB – 3H</i></b>
<b>Adhesion</b>	<b><i>DIN – EN ISO 2409 – 2 mm.; Gt0 – No loss of adhesion</i></b>
<b>Impact</b>	<b><i>ASTM D 2794 5/8 ball; 60-160 inch pounds</i></b>

*front impact resistance*

***Bend Test***

***DIN – EN ISO 1519, 3- 12 mm.***

***Salt spray***

***ASTM B 117-73 1000 hrs., excellent***

### **OTHER PRODUCTS**

**S3C can also apply a vast range of other coating materials including, polyethylene, nylon, PVC, PTFE (fluorocarbons), EVA as well as arrange of acrylic, PVDF architectural finishes and Super Durable Industrial Polyesters.**

*For more information, please visit our website at <http://www.s3c.net> or e-mail us at [sales@s3c.net](mailto:sales@s3c.net). You can write or contact us too at:*



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